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Physics of Electronic and Atomic Collisions

Invited Papers of the XIIth International Conference on the Physics of Electronic and Atomic Collisions, Gatlinburg, TN, U.S.A. 15-21 July 1981 (ICPEAC XII)

edited by SHELDON DATZ, *Oak Ridge National Laboratory, Oak Ridge, TN, U.S.A.*

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CONTENTS: **Invited Lecture:** Applications of Atomic Collisions Physics to Astrophysics *(A. Dalgarno).* **Invited Papers by:** *M. R. C. McDowell; R. K. Nesbet; W. R. Newell; W. R. Garrett; J. Gspann; D. J. Jaecks et al.; J. T. Park; R. Shakeshaft; E. Horsdal-Pedersen; R. Schuch; Yu. S. Gordeev and A. N. Zinoview; C. Kozhuharov; I. A. Sellin; H. B. Gilbody; A. J. Yencha; A. Niehaus; F. Gounand; A. Z. Devdariani; B. K. Annis and S. Datz; D. G. Fleming; T. S. Stein and W. E. Kauppila; D. Beck; K. Takayanagi; N. Kobayashi; A. W. Kleyn and K. T. Gillen; A. Giusti-Suzor; T. Carrington, Jr., J. C. Polyani and R. J. Wolf; A. Gallagher; R. S. Berry; J. Macek; A. F. Starace; P. G. Burke; Ch. Jungen; J. Kessler; H. Klar; A. Salin; B. R. Junker; M. Kleber; I. V. Hertel; J. A. Fayeton, J. C. Brenot and J. C. Houver; R. J. Celotta et al.; R. Azria; W. Domcke and L. S. Cederbaum; D. E. Brion; D. H. Crandall; R. J. W. Henry; D. L. Moores; L. J. Roszman; P. Hvelplund; H. Knudsen; C. L. Cocke et al.; R. Mann; H. F. Beyer and F. Folkmann; Y. Kaneko et al.; M. Gargaud et al.; Y. T. Lee; M. G. Prisant, C. T. Rettner and R. N. Zare; D. Krajnovich et al.; A. Torres-Filho and J. G. Pruett; D. E. Post; J. T. Hogan; S. Suckewer and E. Hinnov; A. Hauer and E. J. T. Burns; J. Davis and M. Blaha; R. C. Isler, L. E. Murray and S. Kasai; N. H. Tolk; J. C. Tully and Y. Niv; D. S. Gemmell; R. L. Swent et al.*

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